

## Sew a range of different fabrics using an industrial overlock sewing machine

**Level** 4

**Credits** 9

**Purpose** People credited with this unit standard are able to set up an industrial overlock sewing machine for sewing a range of different fabrics, and produce production work on a range of different fabrics.

**Subfield** Clothing Manufacture

**Domain** Apparel Cutting and Sewing

**Status** Registered

**Status date** 19 June 2009

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**Entry information** Open.

**Accreditation** Evaluation of documentation and visit by NZQA and industry.

**Standard setting body (SSB)** Competenz

**Accreditation and Moderation Action Plan (AMAP) reference** 0030

This AMAP can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

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### Special notes

- 1 This unit standard is for experienced production machinists able to cope with a range of fabrics at a production level of performance and to approved quality standard.
- 2 Definitions  
*Workplace performance criteria* refer to the expected standard and speed of performance as set by the quality control management in the candidate's workplace. These criteria are determined by the construction of the garment, the fabric being used and the quality standards that apply in the candidate's workplace. These expectations must be explained and made available to the candidate prior to assessment.

*Product, garment or style specifications* are all terms for the same document. The terminology varies between workplaces but they all refer to the same documentation which accompanies each manufacturing order. This documentation sets out the material to be used for the product, the size range of the order, the product assembly sequence, product finishing procedures, and the component specifications.

- 3 The skills required take into account the likelihood of an experienced machinist being able to move between diverse industries where fabrics are generally so diverse as to preclude acceptance of skills obtained in other production unit standards.
- 4 **Range**
  - Thick – denim, 9 gauge knitted.
  - Thin – lycra, nylon, lace, gauze.
  - Stretch – nylon lycra, single jersey.
  - Curly – single jersey.
  - Slippery – lycra, nylon.
  - Open – net, lace.
  - Matching – stripes, checks.
  - Stable – denim.
- 5 Performance of the elements must comply with the Health and Safety in Employment Act 1992.

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## **Elements and performance criteria**

### **Element 1**

Set up an industrial overlock sewing machine for sewing a range of different fabrics.

Range any four fabric characteristics.

### **Performance criteria**

- 1.1 Thread selection is compatible with materials to be sewn.
  - Range decorative, strength, twist, composition.
- 1.2 Needle size is selected, and feed dogs are adjusted for compatibility with materials being sewn.
- 1.3 Quality of stitch is tested and checked in accordance with workplace procedures.
- 1.4 Stitch density meets product specifications.

## Element 2

Produce production work on a range of different fabrics.

Range any four fabric characteristics.

### Performance criteria

- 2.1 Work is completed to specified workplace performance criteria and in accordance with workplace procedures.
- 2.2 Documentation is completed in accordance with workplace procedures.

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### Please note

Providers must be accredited by NZQA, or an inter-institutional body with delegated authority for quality assurance, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by NZQA before they can register credits from assessment against unit standards.

Accredited providers and Industry Training Organisations assessing against unit standards must engage with the moderation system that applies to those standards.

Accreditation requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

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### Comments on this unit standard

Please contact [Competenz info@competenz.org.nz](mailto:Competenz info@competenz.org.nz) if you wish to suggest changes to the content of this unit standard.